



Institute of Mathematics Education

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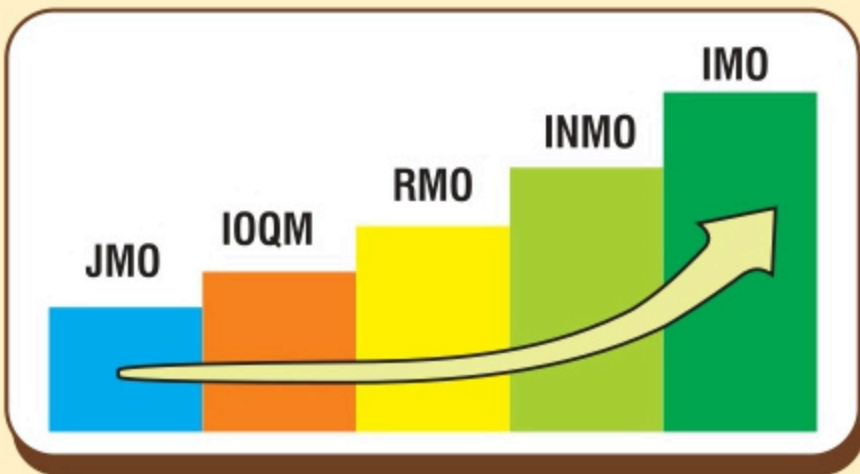
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यथा शिखा मयूराणां ।
नागानां मणयो यथा ॥
तद्वद् वेदांगशास्त्राणां ।
गणितं मूर्धनि स्थितम् ॥

Just as the crest of the peacock and the gem of the cobra, stays right at the top, similarly study of Mathematics is the topmost among the study of all Vedas and Shastras.

All India Junior Maths Olympiad



Mathematical Competition

(Academic Year 2024-25)

Junior Maths Olympiad 2025

**For Class V, VI, VII & VIII Students
(ICSE, CBSE, State Board Schools)**

An Appeal

Dear Principals, Maths Teachers & Parents,

Greeting from the Institute of Mathematics Education!

We, at IME, have been dedicated to the cause of nurturing excellence in Mathematics, for several years now. Our endeavor is to stimulate the spirit of enquiry, innovation and creativity amongst children through activities that make Mathematics an enjoyable and interesting pursuit. One such activity that the IME conducts is the Junior Maths Olympiad (JMO).

JMO serves as a strong preparatory foundation for the Indian Olympiad Qualifier in Mathematics (IOQM), conducted by Homi Bhabha Centre for Science Education, Government of India. So far 60355 students have appeared for MAT and 9271 for JMO. One such JMO Gold Medalist student represented India in International Olympiads of Physics and Astronomy and won laurels for the country. You will find more about Olympiads on the last page of the brochure.

We are aware that you always take several initiatives in making learning interesting and meaningful for students. We look forward to your support, in our endeavor to ignite the spark of curiosity and learning in young minds.



For Std. V / VI & VII / VIII Preliminary Exam

Maths Aptitude Test - 2024 (All India Level)

Date of Exam	Day	Time	Last day of Registration	Tentative Date of Result	Registration Fee
03 rd Aug. 2024	Sat.	2 p.m. to 4 p.m.	06 th July 2024	On or before 25 th Aug. 2024	₹ 350/-
31 st Aug. 2024	Sat.	2 p.m. to 4 p.m.	20 th July 2024	On or before 25 th Sept. 2024	

Note : Schools can choose any one date for their students.

Junior Maths Olympiad - 2025

Eligibility : Students scoring 50% and more in MAT exam **in the same academic year** are eligible to appear for JMO.

Examination Details

JMO exam is conducted only once and normally in the month of February.

JMO exam is conducted in 2 groups.

- **Primary Group :** Students of Std. 5th and 6th
- **Higher Primary Group :** Students of Std. 7th and 8th

JMO Question Paper (Primary and Higher Primary Group)

- Question paper is of Subjective type.
- Maximum marks are 100 & Time duration is 2 hours.
- Medium of examination is English.

While assessing the answers, more importance is given to the logical approach followed by students.

Syllabus : Primary Group (Std. 5th and 6th)

Crypt Arithmetic, Puzzles like Magic Squares & Magic Stars, Special Numbers like Pentagonal Numbers and Harshad Numbers, Change of Base of Numbers, Permutations, Series, Basic concepts of Geometry.

Reference Books : Published by IME

- Study book
- Past year JMO papers 2024 - 2012

Syllabus : Higher Primary Group (Std. 7th and 8th)

Number theory (Modular Arithmetic, Concept of Congruence, Application of Wilson Theorem), Sets, Relations and Functions, Permutations and Combinations and Sequence and Series (A.P., G.P., H.P., A.M., G.M., H.M.), Quadratic Equations, Geometry (Triangles, Circles, Cyclic Quadrilaterals).

Reference Books : Published by IME

- Study book
- Past year JMO papers 2024 - 2012

Awards for JMO

Following awards are given to successful candidates.

- 1. Approximately Top 5% students :**
Ramanujan Scholarship of ₹ 1000/- will be awarded with certificate of honor and Gold Medal.
- 2. Approximately Next 7% to 8% students :**
Kaprekar Scholarship of ₹ 500/- will be awarded with certificate of honor and Silver Medal.
- 3. Approximately Next 10% to 12% students :**
Consolation prize and certificate of honor.

- There is **no negative marking** for wrong questions.
- Maximum marks are 100.
- First 45 questions are of easy to moderate level of difficulty.
- Last 5 questions are of higher level of difficulty.
- Time duration is 2 hours.
- Medium of examination is English.

Syllabus : Primary Group (Std. 5th and 6th)

Study of Numbers, Basic Operations on Numbers, Even, Odd, Prime and Composite Numbers, Tests of Divisibility, G.C.D. and L.C.M., Fractions, Decimal Fractions, Metric Measures, Roman Numerals, Time, Equality, Inequality and Use of Letters, Calendar, Simplification of Expression, Unitary Method, Perimeter and Area, Profit and Loss, Percentage.

Reference Books : Published by IME (Std. 5th and 6th)

- Study book
- Past year MAT papers (Topic wise) 2023 - 2011

Syllabus : Higher Primary Group (Std. 7th and 8th)

Operations on Numbers, G.C.D. and L.C.M., Ratio and Proportion, Percentage, Profit and Loss, Simple and Compound Interest, Average, Distance, Speed and Time, Time and Work, Squares and Square Roots, Cubes and Cube Roots, Indices, Algebraic Expressions and Factorization, Equations in One Variable, Identities, Lines and Angles, Triangles, Pythagoras Theorem, Area, Volume and Surface Area, Circle: Chords and Tangents, Polygon.

Reference Books : Published by IME (Std. 7th and 8th)

- Study book
- Past year MAT papers (Topic wise) 2023 - 2011

The students can buy the books from IME website www.aiime.org

Books will be sent to their residence address.

Awards for MAT

For Students Scoring

- 1) **40% to 48%** : Passing Certificate
- 2) **50% to 88%** : Selection Certificate
- 3) **90% and above** : Selection Certificate & Prize
(JMO study material)

Certificates will be sent to respective schools.

For private students certificates will be sent to their residence address.